

Aero Design Ltd.**Work Order Control Sheet**Work Order#: 2016-39 Date Opened: 10 Mar 2016 Title: AssemblyAircraft OEM: Airbus Helicopters Aircraft Model: AS350 Product Type: Cargo Basket Product Model: Medium, RH Quantity: 1**Work Order Contents**

Work Order/Build Sheets (Procedures Provided)
Additional Work Sheets (Standard Practice)
Drawings (See List Below)
Parts Distribution Sheet
Sub Component Tags
Completed Certification
Time Sheet (R&D)
Notes

Initial or N/A

| |
|-----|
| JC |
| N/A |
| JC |
| JC |
| N/A |
| JC |
| N/A |
| N/A |

Build Sheet Contents

Tasks Initialled
Dual Inspections Initialled

Initial or N/A

| |
|----|
| JC |
| JC |

Drawing List

| Drawing # | Rev # | Description | Initial or N/A |
|-----------|-------|------------------------|----------------|
| 76410 | 3 | Basket Assembly | JC |
| 70405 | 4 | Lid Walkway Mod. | JC |
| 84240 | 0 | Lid Brace Installation | JC |
| 84255 | 2 | Handle Installation | JC |
| 84261 | 2 | Handle Assembly | JC |

Traveller

Install walkway on lid
Install lid on basket body
Re-tap mounting lug holes and install mount lugs
Install handle brackets
Install handle
Install lid prop
Install data plate

Initial or N/A

| |
|----|
| DB |
| DB |
| DB |
| DB |
| DB |
| DB |
| DB |

Work performed by:

Print: Andrew BartfaiSign: *Andrew Bartfai*SCA: AD07Date: 10-Mar-16

ICC / Dual Inspection performed by:

Print: Jason RekveSign: *Jason Rekve*SCA: AD01Date: 14-Mar-16

Work Order closed by:

Print: Jeff ClarkeSign: *Jeff Clarke*SCA: AD02Date: 14-Mar-16

Approved Manufacturing Facility 73-04

Form 20/D-03

Rev. Original 23 Sep 2014

Component Completion

Quantity Complete on This Work Order
Quantity Incomplete on This Work Order
Further Processing Required Before Release
Release to Stock as Components

As Instructed

| |
|-----|
| 1 |
| 0 |
| N/A |
| N/A |

Certification

Form One Completed
Serviceable (Green) Tag Completed
In Process (Yellow) Tag Completed
Unserviceable (Red) Tag Completed
Parts Placed in Stores for Distribution

Initial or N/A

| |
|-----|
| JC |
| N/A |
| N/A |
| N/A |
| N/A |

Additional Documentation

Documentation of a minor change
Non-Conformance Report Required
Service Difficulty Report Required

Initial or N/A

| |
|-----|
| N/A |
| N/A |
| N/A |

Billing

Local (Aero Design)
Research and Development
Third Party

Initial or N/A

| |
|-----|
| JC |
| N/A |
| N/A |

CARGO BASKET ASSEMBLY - COMMON

2016-39

AS350 MED RH BASKET ASS'Y

General

These instructions apply to all cargo basket assemblies. Refer to the following drawings, at the current revision, for dimensions and details:

Bell 206L/407 – Right side only

69810, Revision 3 – Standard Low Mounted Basket

94510, Revision 0 – Extra-Wide Low Mounted Basket

94610, Revision 0 – Extra-Wide Low Mounted Ski Basket

76610, Revision 0 – High Mounted Ski Basket

Eurocopter AS350/AS355 – left or right

77610, Revision 1 – Short Basket

→ 76410, Revision 3 – Medium Basket (left or right)

78410, Revision 2 – Long Basket

94010, Revision 0 – Extra Large (ski) Basket

Robinson R44 – left or right

90610, Revision 0 – Standard Basket (left or right)

Bell 206B – right side only

80210, Revision 0 – Short Basket

80310, Revision 0 – Medium Basket

81110, Revision 0 – Long Basket

Bell 429 – right or left

95911, Revision 0 – Standard Basket

Bell Medium – left or right

75111, Revision 0 – Standard Basket

95511, Revision 0 – Extra Large (ski) Basket

MD600

82811, Revision 0 – Standard Basket

Options

→ 70405, Revision 3? – Lid Walkway

CARGO BASKET ASSEMBLY - COMMON

Complete
(initial or SCA #)

Work Order: 2016-39

Date Open: 10 MAR 2016

AD-07

1. Lid Assembly

- a. Install lid bumpers on bottom.
 - i. Fill bumper holes with RTV silicone sealant.
 - ii. Insert 49205-14 lid bumper, 3 or 4 places per lid.
- b. Install placard on bracket on top of lid.
 - i. Locate placard on bracket.
 - ii. Drill #30 through placard and bracket, using holes in placard.
 - iii. Remove placard and de-burr holes in placard and on bracket.
 - iv. Locate placard on bracket, and cleco in place.
 - v. Rivet placard with four CR3213-4-02 CherryMax rivets.
- c. Option: Install walkway on top of lid (lid must be fitted with walkway provisions)
 - i. Note: avoid touching surface of tread plate with bare hands to prevent smudges or marks on the top surface.
 - ii. Pull tread plate from stock. Shear tread plate to length.
 - iii. De-burr edges of tread plate with scotch-brite disc on die-grinder.
 - iv. Locate tread plate on lid. Hold tread plate in place with bags of lead shot.
 - v. Mark and drill #30 holes:
 1. 0.25" from edge of tread plate, centre on cross members (0.38")
 2. 0.25" from edge of tread plate, middle of each walkway stringer
 - vi. De-burr and counter-bore (if required to provide clearance of rivet head on checker pattern) all holes in tread plate using 1/4" piloted counter bore on both sides.
 - vii. De-burr holes in lid tubes.
 - viii. Apply bead of RTV silicone sealant along all tubes under tread plate.
 - ix. Set tread plate in place, secure with clecos if necessary.
 - x. Rivet placard with CR3213-4-02 CherryMax rivets
- d. Record PO/WO of all parts (including lid) used in steps above on attached material tracking list.

2. Body Assembly

AD-07

- a. Install attachment fittings
 - i. Carefully remove excess powder coat from around attachment lug threads using a countersink.
 - ii. Run 3/8-24 tap into attachment lugs to clear threads.
 - iii. Apply anti-seize compound to attachment fittings 96710-01 (alternate: Ancra 40088-14)
 - iv. Install attachment fittings with two NAS1149F0363P washers in four lugs in basket.
 1. 90610 (Robinson R44) basket only:
 - a. Install 1 fitting 906?? in lower forward attachment lug only.
 - b. Install 3 96710-01 fittings in remaining locations.
 - v. Torque to ??

- b. 946 Basket Only: Install Cutout Brace – *must be completed after hinge installation*
 - i. Locate 94621-01 Brace over aft cross tube cutout
 - ii. Install two AN4-6A bolts and two AN4-30A bolts with NAS1149F0463P washers.
 - iii. Torque AN4 bolts to ??
- c. Record PO/WO of all parts (including basket) used in steps above on attached material tracking list.

3. Hinge Installation

AD-07

- a. Prepare hinge.
 - i. Cut hinge to length:
 - 1. 776, 906 – 54"
 - 2. 751, 803 – 70"
 - 3. 698, 764, 945 – 72"
 - 4. 784 – 90"
 - 5. 940, 946, 959 – 95"
 - ii. Drill #30 pilot holes using hinge jig. For long hinges, flip at specified location on jig.
- b. Install hinge on basket
 - i. Locate hinge on basket (standard baskets)
 - 1. centre fore/aft
 - 2. 0.15" – 0.18" up from bottom edge
 - ii. Locate hinge on basket (extra wide baskets)
 - 1. centre fore/aft
 - 2. set hinge at 90 degrees (as if lid would be installed) using a small square, locate vertical side at 22.5" from outboard edge.
 - iii. Drill #30 through holes in hinge into basket rim. Cleco in place with 1/8 (copper) clecos.
 - iv. Drill holes up to #21 through hinge and rim. Replace 1/8 clecos with 5/32 (black) clecos.
 - v. Remove hinge and de-burr holes in hinge and basket rim.
 - vi. Cleco hinge to basket with 5/32 clecos.
 - vii. Install hinge with CherryMax rivets
 - 1. CR3523-5-02 monel rivets – last 2 rivets in each end
 - 2. CR3213-5-02 aluminum rivets – all other locations
- c. Install lid on basket
 - i. Locate lid on hinge (all baskets)
 - 1. center fore/aft
 - 2. 0.15" – 0.18" down from top edge
 - ii. Drill #30 through holes in hinge into lid rim. Cleco in place with 1/8 clecos.
 - iii. Drill holes up to #21 through hinge and rim. Replace 1/8 clecos with 5/32 clecos.
 - iv. Remove hinge and de-burr holes in hinge and lid rim.
 - v. Cleco lid to hinge with 5/32 clecos.
 - vi. Install hinge with CherryMax rivets
 - 1. CR3523-5-02 monel rivets – last 2 rivets in each end
 - 2. CR3213-5-02 aluminum rivets – all other locations

- d. Record PO of hinge and rivets on attached material tracking list.

4. Install Handle

AD-07

a. Install handle brackets.

- i. Set 84267-01 handle bracket on provisions in hoops, 2 places.
- ii. Install AN3-11A bolt, NAS1149F0363P washer (2), MS21044N3 nut. Two places per bracket, two brackets per basket.
- iii. Torque AN3 bolts to ??.

b. Install handle

- i. Trim 36278-01R and 36278-01L springs to ensure end of spring does not extend past edge of handle bracket, approximately 1/8". Set springs over bushing of 84261-01 handle assembly.
- ii. Grease two 36275-01 bushings with ??. Insert into bushings of handle assembly.
- iii. Locate handle on basket lid. Insert AN3-12A bolt with NAS1149F0363P through bracket on lid and handle bushing on one end of handle.
- iv. On other end of handle, hook spring over catch rivet on handle assembly and use spring tool to twist spring to catch arm on bracket on lid while inserting AN3-12A bolt with NAS1149F0363P washer through lid bracket and handle bushing.
- v. At first end, remove bolt and repeat step iv.
- vi. Install NAS1149F0363P washer and MS21044N3 nut on both AN3-12A bolts.
- vii. Torque AN3 bolts to ??.

c. Check handle

- i. Operate handle to ensure handle does not bind and springs hold handle in.
- ii. Snap handle into brackets to ensure handle locks.

- d. Record PO/WO of all parts used in steps above on attached material tracking list.

5. Install lid brace

AD-07

- a. Locate 36280-01 lid brace on bushing in basket. Ensure brace is on forward end of basket as it will be installed on the helicopter.
- b. On lid end, insert AN970-3 washer into end of lid brace. Insert AN3-15A bolt with NAS1149F0363P washer through AN970-3 washer, lid prop, and lid bushing. Install NAS1149F0363P washer and MS21044N3 nut on bolt.
- c. On basket end, insert AN3-17A bolt with AN970-3 washer through lid prop and basket bushing. Install NAS1149F0363P washer and MS2144N3 nut on bolt.
- d. Ensure brace is seated on lip of bushings before tightening nuts.
- e. Torque AN3 bolts to ??
- f. Record PO/WO of all parts used in steps above on attached material tracking list.

CARGO BASKET ASSEMBLY - COMMON

Complete
(initial or SCA#)

OK

6. Final Inspection

Dual inspection by a different person than assembled the basket.

- a. Check for general condition and correct assembly:
 - i. Bolts are tight
 - ii. Rivets are installed correctly
 - iii. Handle operates correctly
 - iv. Lid brace operates correctly
- b. Check that PO/WO numbers have been recorded.

Work Order: 2016-39

Material Tracking Sheet
Eurocopter AS350 / AS355
Medium Basket Assembly

1 of 2

Date Opened: 10 MAR 2016

| Ass'y Step | Qty | Detail Drawing | Part Number | Description | Material | PO/WO |
|-----------------------|-----|----------------|--|----------------------------|-----------------------------------|---------------------|
| | 1 | | 76410-01- ⁰¹⁹ ₀₂ | Cargo Basket Assembly | (-01 RH, -02 LH) | S/N 76049 76401-11 |
| Step 1 | | | | <i>Lid Assembly</i> | | |
| | 1 | | 69812-01 | Basket Lid Assembly | | 2015-36 2015-51 JK. |
| Step 1.a. | 3 | | 49205-14 | Bumper | Argus Industries Bumper | |
| | A/R | | -- | Sealant | Commercial Silicone RTV sealant | |
| Step 1.b. | 1 | | 76427-01 | Placard (right) | 0.063 Sheet, 6061-T6 Aluminum | 11102 |
| | 1 | | 76427-02 | Placard (left) | 0.063 Sheet, 6061-T6 Aluminum | N/A |
| | 4 | | CR3213-4-02 | Cherry Rivet | | 15031 |
| Step 1.c. (option) | 1 | | 70405-01 | Lid Step Modification | | |
| | 1 | | 70405-04 | Tread Plate | 3003 Aluminum Tread Plate, 0.063" | 15056 |
| | A/R | | CR3213-4-02 | Cherry Rivet | | 15031 |
| | A/R | | -- | Sealant | Commercial Silicone RTV sealant | |
| Step 2 | | | | <i>Basket Assembly</i> | | |
| Step 2.a. | 1 | | 76411-01-XX | Basket Body Assembly | | 2010-04 |
| | 4 | | 96710-01 | Fitting | Alternate: Ancre 40088-14 | 10006 |
| | 8 | | NAS1149F0663P | Washer | | 10017 |
| Step 3 | | | | <i>Hinge Installation</i> | | |
| | 1 | | MS20001P4 | Piano Hinge | 72" | 15063 |
| | 8 | | CR3523-5-02 | Cherry Rivet | | 16005 |
| | A/R | | CR3213-5-02 | Cherry Rivet | | 15086 |
| Step 4 | 1 | | 84255-01 | <i>Handle Installation</i> | | |
| Step 4.a. | 2 | | 84267-01 | Bracket | Delrin, 3/4" Sheet | 2016-37 |
| | 4 | | AN3-11A | Bolt | | |
| | 8 | | NAS1149F0363P | Washer | | |
| | 4 | | MS21044N3 | Nut | | |

Work Order: 2016-39Material Tracking Sheet
Eurocopter AS350 / AS355
Medium Basket Assembly

2 of 2

Date Opened: 10 MAR 2016

| Ass'y Step | Qty | Detail Drawing | Part Number | Description | Material | PO/WO |
|------------|------|----------------|---------------|-------------------------------|-------------------------------------|---------------------|
| Step 4.b. | .. 1 | | 84261-01 | Handle Assembly | | <i>See attached</i> |
| | .. 2 | | 36278-01 | Spring (1 left, 1 right) | 304 Stainless, 1/16" Dia Music Wire | |
| | .. 2 | | 36275-01 | Bushing | Brass, 5/16" Dia | |
| | .. 2 | | AN3-12A | Bolt | | |
| | .. 4 | | NAS1149F0363P | Washer | | |
| | .. 2 | | MS21044N3 | Nut | | |
| Step 5 | | | | <i>Lid Brace Installation</i> | | |
| | . 1 | | 36280-01 | Brace Assembly | | <i>2015-63</i> |
| | . 1 | | AN3-15A | Bolt | | <i>14084</i> |
| | . 1 | | AN3-17A | Bolt | | <i>15031</i> |
| | . 2 | | AN970-3 | Washer | | <i>15014</i> |
| | . 3 | | NAS1149F0363P | Washer | | <i>16005</i> |
| | . 2 | | MS21044N3 | Nut | | <i>15031</i> |
| Step 6 | | | | <i>Inspection</i> | <i>None</i> | |

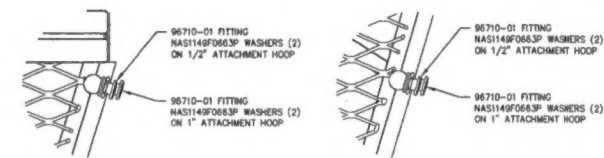
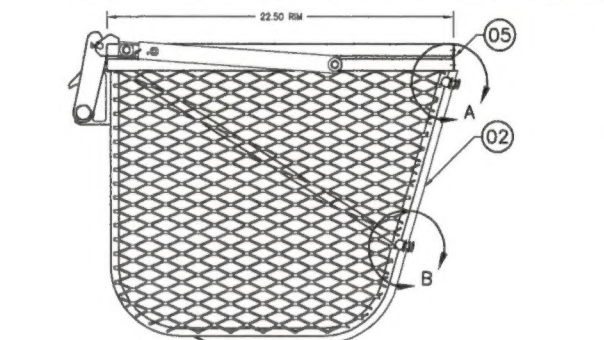
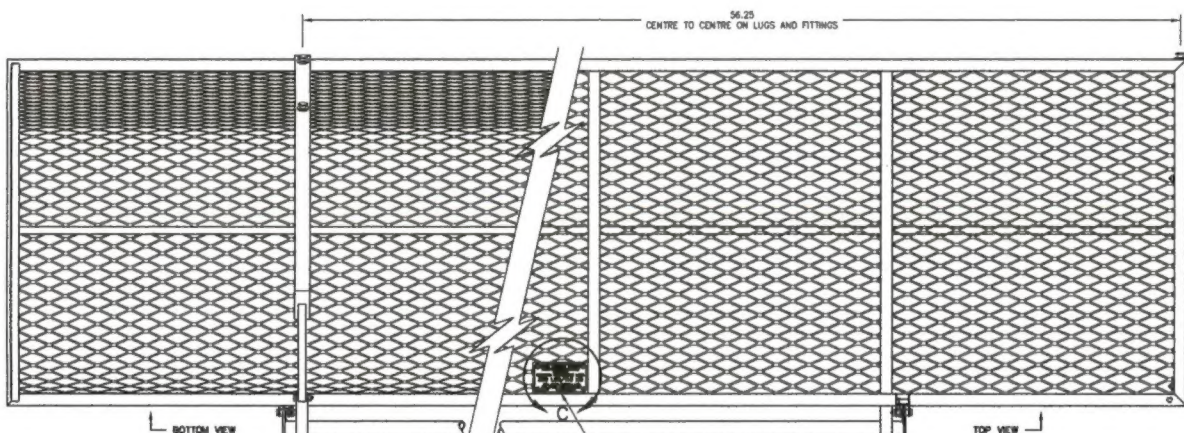
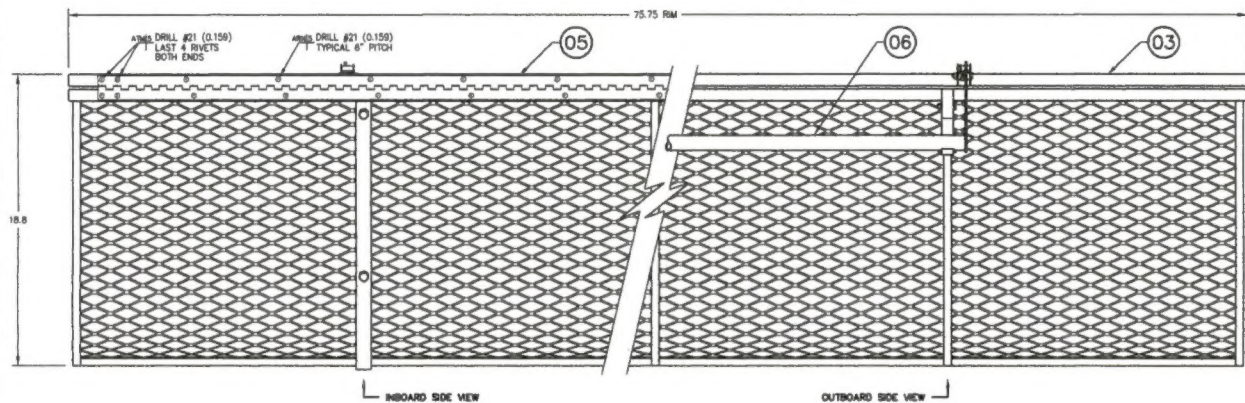


WO# 2016-39

Approved Manufacturing Facility 73-04

Rev. Original 27 May 2013

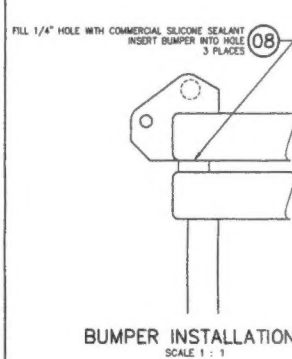
| REV | DESCRIPTION OF CHANGE | INITIALS | DATE |
|-----|--|----------|------------|
| 0 | INITIAL ISSUE | RR | 14 JAN 08 |
| 1 | ADDED LH ASSEMBLY | RR | 05 MAR 09 |
| 2 | CHANGED HANDLE CONFIGURATION | BJC | 27 JAN 10 |
| 3 | UPDATE TITLE BLOCK; ADD ALTERNATE RIVETS; HARDWARE P/N'S UPDATED; CHANGE BRACE ASSEMBLY TO INSTALLATION | BJC | 10/07/2014 |



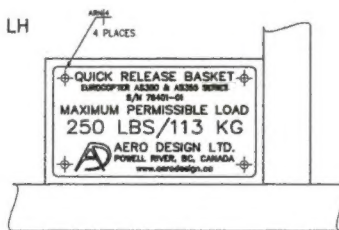
DETAIL A
SCALE 1 : 2
TYPICAL FRONT AND REAR

DETAIL B
SCALE 1 : 2
TYPICAL FRONT AND REAR

NOTE:
1. ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY. DIMENSIONS OF COMPONENTS AND COMPLETE ASSEMBLY ARE DETERMINED IN PREVIOUS STEPS.



764
10
-01-01 CARGO BASKET ASSEMBLY - RH
SHOWN
764
10
-01-02 CARGO BASKET ASSEMBLY - LH
OPPOSITE

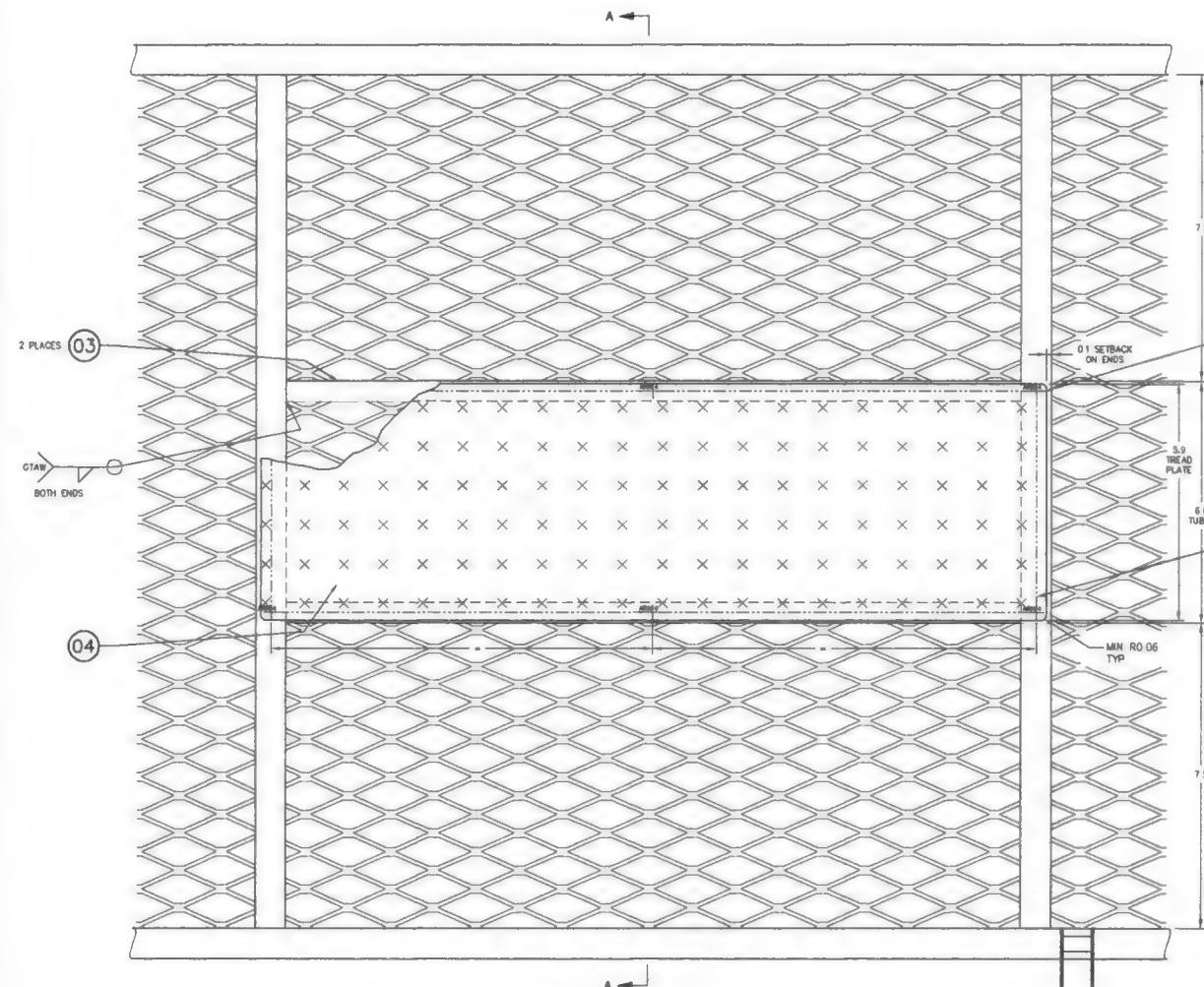


DETAIL C
SCALE 1 : 1
LOOKING AT PLACARD BRACKET

| | | | | | | | |
|-------------------|---------------|--------------|----------------------------------|--------------------------------|----------|---------------|------------|
| A/R/A/R | NAS1149F0683P | WASHER | | | | | |
| 4 | 4 | 96710-01 | FITTING | ALTERNATE: ANORA 40088-14 | | | |
| 8 | 8 | CR3523-5-02 | CHERRY RIVET | ALTERNATE: HUCKMAX HR3523-5-02 | | | |
| A/R/A/R | CR3213-5-02 | CHERRY RIVET | ALTERNATE: HUCKMAX HR3213-5-02 | | | | |
| 4 | 4 | CR3213-4-02 | CHERRY RIVET | ALTERNATE: HUCKMAX HR3213-4-02 | | | |
| 3 | 3 | 49205-14 | 08 BUMPER | ARGUS INDUSTRIES | | | |
| 1 | 1 | 76427-02 | 07 PLACARD | | | | |
| 1 | 1 | 76427-01 | 07 PLACARD | | | | |
| 1 | 1 | 84235-01 | 06 HANDLE BAR INSTALLATION | | | | |
| 1 | 1 | MS20001P4 | 05 PLANO HINGE | | | | 72.0 LONG |
| 1 | 1 | 84240-01 | 04 LID BRACE INSTALLATION | | | | |
| 1 | 1 | 69812-01 | 03 BASKET LID ASSEMBLY | | | | |
| 1 | 1 | 76411-01-02 | 02 BASKET BODY ASSEMBLY (LH) | | | | |
| 1 | 1 | 76411-01-01 | 02 BASKET BODY ASSEMBLY (RH) | | | | |
| 1 | 1 | 76410-01-02 | 01-02 CARGO BASKET ASSEMBLY - LH | | | | |
| 1 | 1 | 76410-01-01 | 01-01 CARGO BASKET ASSEMBLY - RH | | | | |
| QTY | QTY | PART NO. | ITEM | DESCRIPTION | MATERIAL | MATERIAL SPEC | STOCK SIZE |
| LIST OF MATERIALS | | | | | | | |

| | | | |
|--|--|--|---|
| BASIC CODE REF: NAS 323 | DASH NO. FOR DIAMETER N=MFD. HEAD NEAR SIDE F=MFD. HEAD FAR SIDE | APPROVALS DRAWN: R. RATHWELL CHECKED: E. BURGON | DATE 14 JAN 08 |
| C=COUNTERSUNK D=DIMPLE DIGIT# OF SHEETS TO BE DIMPLED | DASH NO. FOR LENGTH | UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES. TOLERANCES ON: DECIMALS ANGLES X.XXX ±0.010 X.XX ±0.03 X.X ±0.1 | EUROCOPTER AS350 & AS355 SERIES QUICK RELEASE CARGO BASKET CARGO BASKET ASSEMBLY (MEDIUM) |
| BASIC CODES: BJ=MS20470AD BB=MS20426AD ABN=CR3213 ATN=CR3523 | INSTALL NEW RIVET REMOVE/REPLACE RIVET EXISTING RIVET | SCALE 1 : 4 SHEET 1 OF 1 | DWG. SIZE A1 |
| | | | DWG. NO. 76410 |
| | | | REV. 3 |

| | |
|--|--|
| AERO DESIGN LTD. 9088A MALASPINA ROAD POWELL RIVER, BC, CANADA, V8A 0G3 TEL: 804-483-3378 www.aerodesign.ca | |
|--|--|



01 BASKET LID ASSEMBLY

SECTION A-A

| REV | DESCRIPTION OF CHANGE | INITIALS | DATE |
|-----|--|----------|------------|
| 1 | ADD BELL MEDIUM AND EUROCOPTER AS330 BASKETS, CHANGE TUBES | BJC | MAR 19/08 |
| 2 | ADD EUROCOPTER EC135, MCDONNELL DOUGLAS MD600, BELL 206B BASKETS | BJC | DEC 4/08 |
| 3 | ADD NEW AS350 AND 206/407 MODELS | BJC | DEC 4/08 |
| 4 | TITLE BLOCK UPDATED, MODEL LIST REMOVED, ADD ALT RIVET, ADD NOTE 7 | BJC | 29/05/2014 |

NOTES

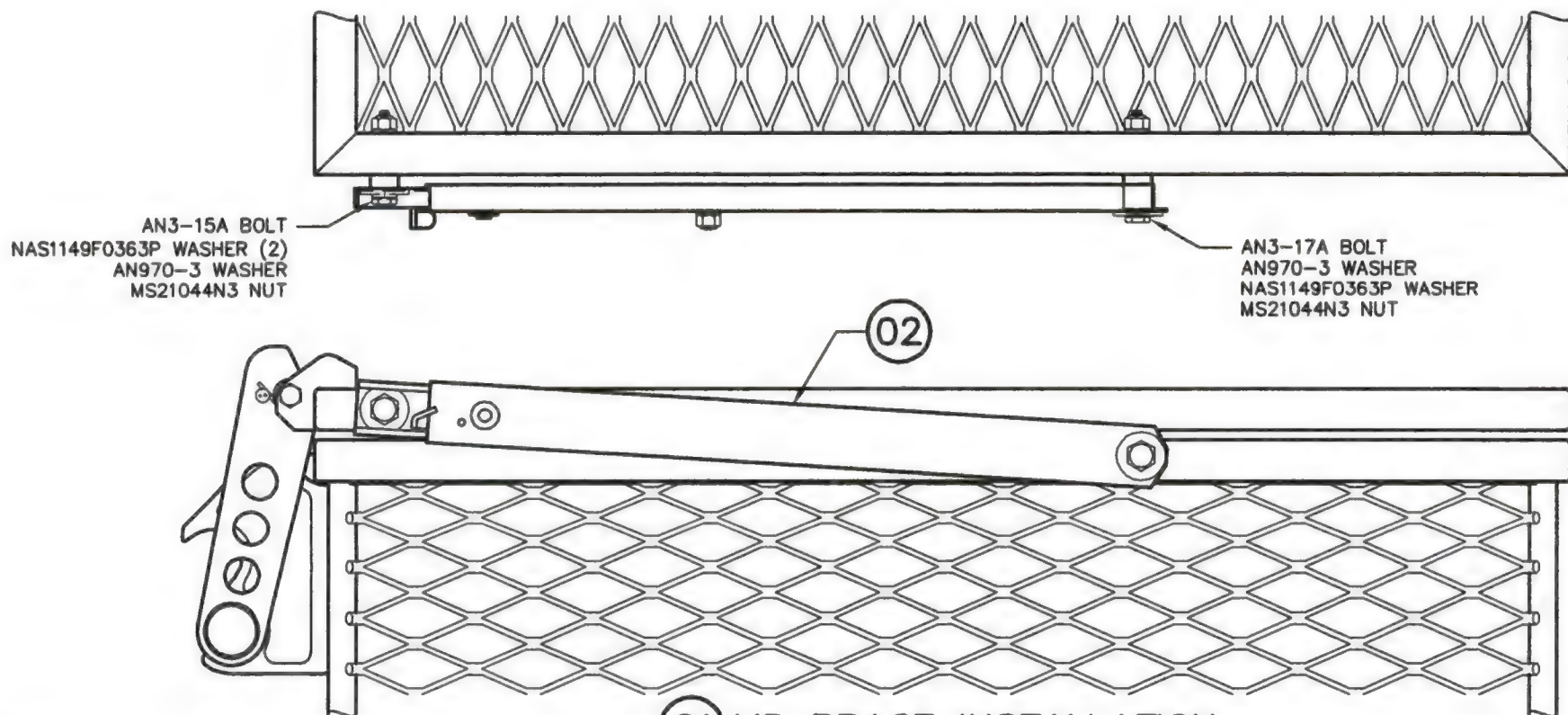
- THIS DRAWING IS AN OPTIONAL CONFIGURATION ADDING A TREAD PLATE STEP TO THE LID. THIS CONFIGURATION MAY BE APPLIED TO ANY OR ALL BAYS OF THE LID. REMAINDER OF LID ASSEMBLY IS TO BE FABRICATED IN ACCORDANCE WITH THE APPLICABLE DRAWINGS.
- TUBES (ITEM 03) MUST BE WELDED IN PLACE BEFORE MESH IS WELDED ON BOTTOM.
- REMOVE ALL BURRS AND BREAK SHARP EDGES
- WELDING OF 4130 STEEL TO BE COMPLETED BY GTAW METHOD TO AMS 2685C. WELDING ROD SHALL CONFORM TO ER70S-2 OR EQUIVALENT
- WHEN ASSEMBLY IS COMPLETE, FILL ALL VENT HOLES WITH ROSETTE WELD.
- THOROUGHLY CLEAN AND POWDER COAT BASKET SUB-ASSEMBLIES PRIOR TO ASSEMBLY. INSTALL TREAD PLATE AFTER POWDER COATING.
- WIDTH AND POSITION OF LID STEP MAY BE ADJUSTED TO MATCH LID DOOR INSTALLED IN ACCORDANCE WITH DRAWING 70402 ON ADJOINING BAY OF THE LID.

| | | | | | | |
|-----|-------------------|--|-----------------------|------------|-----------------------|------------|
| A/R | CR3213-4-02 | BLIND RIVET | ALTERNATE HR3213-4-02 | | | |
| 1 | 70405-04 | 04 TREAD PLATE | ALUMINUM | COMMERCIAL | 0.083 TREAD PLATE | |
| 2 | 70405-03 | 03 TUBE | 4130 STEEL COND. N | MIL-T-8738 | 0.5 X 0.035 WALL TUBE | |
| 1 | SEE NOTE 1 | 02 BASKET LID ASSEMBLY | | | | |
| | 70405-01 | BASKET LID ASSEMBLY - MODIFIED WITH STEP | | | | |
| Q1 | PART NO | ITEM | DESCRIPTION | MATERIAL | MATERIAL SPEC | STOCK SIZE |
| QTY | LIST OF MATERIALS | | | | | |

| | | | | | | |
|---|--|---|--|--|--|---|
| BASIC CODE REF: NAS 523 C=COUNTERSUNK D=DIMPLE DIGIT # OF SHEETS TO BE DIMPLED | | DASH NO. FOR DIAMETER N=NEED, HEAD NEAR SIDE F=NEED, HEAD FAR SIDE DASH NO. FOR LENGTH | | APPROVALS DRAWN: JEFF CLARKE CHECKED: E BURGON DATE: 21 SEPT 2008 | | AERO DESIGN LTD. 6888A MALASPINA ROAD POWELL RIVER, BC, CANADA, V8A 0G3 TEL: 250 483.3270 www.aerodesign.ca |
| BASIC CODES: B3=MS20470AD BB=MS20426AD ARN=CR3213 ARN=CR3212 | | + INSTALL NEW RIVET + REMOVE/REPLACE RIVET - EXISTING RIVET | | UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON: DECIMALS: X XXX ±0.010 X XX ±0.03 X X ±0.1 | | |
| SCALE 1:15 SHEET 1 OF 1 | | DWG SIZE A1 | | DWG NO. 70405 | | REV 4 |

THIS DRAWING CONTAINS INFORMATION AND DATA WHICH IS PROPRIETARY TO AERO DESIGN LTD. THIS DRAWING, OR ANY PORTION THEREOF, MAY NOT BE REPRODUCED, COPIED, OR DUPLICATED IN ANY MANNER, NOR USED FOR MANUFACTURING WITHOUT THE WRITTEN CONSENT OF AERO DESIGN LTD. BY ACCEPTING THIS DRAWING FOR REFERENCE, THE RECIPIENT AGREES TO HOLD AERO DESIGN LTD. HARMLESS FROM THE USE, OR MISUSE, OF THIS DRAWING OR THE INFORMATION CONTAINED THEREON.

| REV. | DESCRIPTION OF CHANGE | INITIALS | DATE |
|------|-----------------------|----------|------|
| 0 | INITIAL ISSUE | * | * |



(01) LID BRACE INSTALLATION

NOTES

- THIS DRAWING APPLIES TO ALL AERO DESIGN LTD. CARGO BASKET ASSEMBLIES.
LID PROP IS TO BE INSTALLED ON THE FORWARD END OF THE BASKET AS INSTALLED ON THE HELICOPTER.

| | | | |
|------|-------------------|------|------------------------|
| 2 | MS21044N3 | | NUT |
| 3 | NAS1149F0363P | | WASHER |
| 2 | AN970-3 | | WASHER |
| 1 | AN3-17A | | BOLT |
| 1 | AN3-15A | | BOLT |
| 1 | 36280-01 | 02 | LID BRACE ASSEMBLY |
| | 84240-01 | 01 | LID BRACE INSTALLATION |
| 01 | PART NO. | ITEM | DESCRIPTION |
| QTY. | LIST OF MATERIALS | | |

| APPROVALS | DATE |
|---|-------------|
| DRAWN: JEFF CLARKE | 21 MAY 2014 |
| CHECKED: JASON REKVE | 21 MAY 2014 |
| UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES. | |
| TOLERANCES ON: | |
| DECIMALS | ANGLES |
| X.XXX ±0.010 | ±1/2° |
| X.XX ±0.03 | |
| X.X ±0.1 | |



AERO DESIGN LTD.

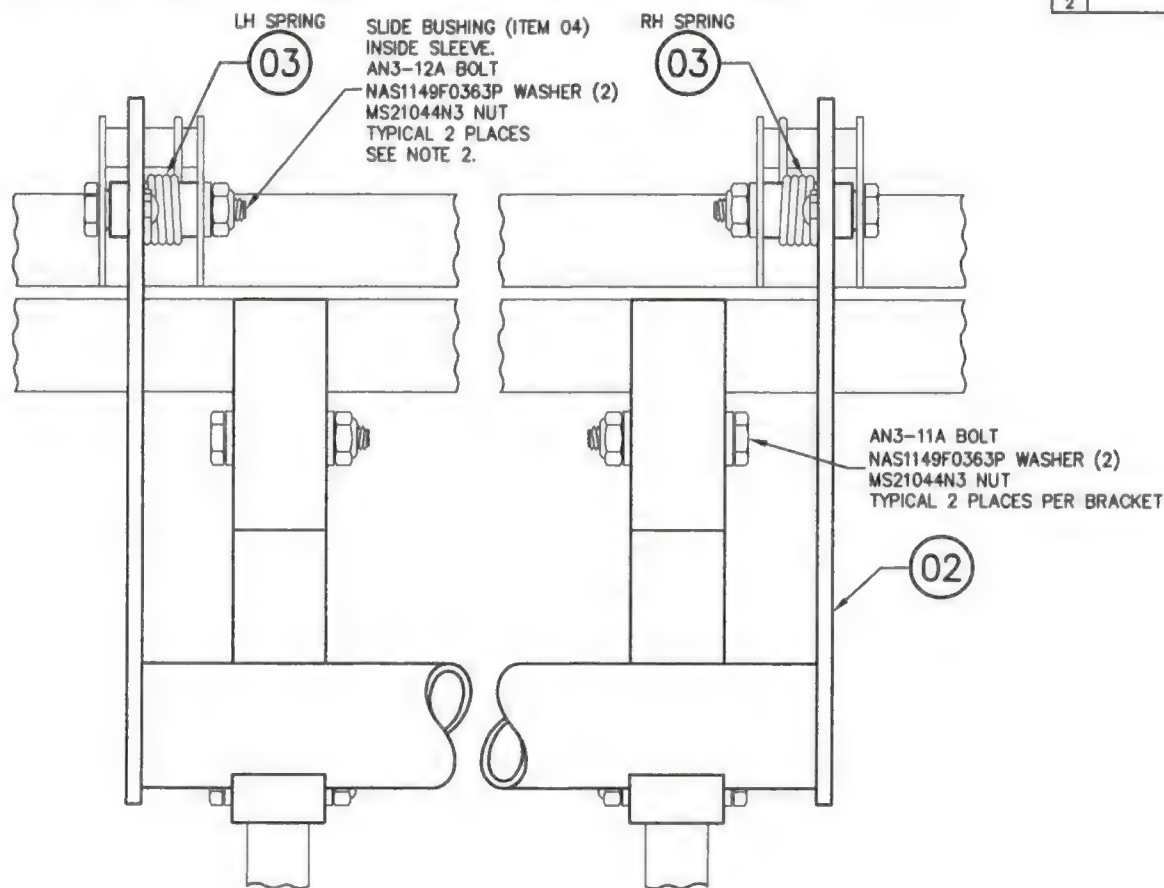
9886A MALASPINA ROAD
POWELL RIVER, BC, CANADA, V8A 0G3
TEL: 604.409.2376 www.aerodesign.ca

**HELICOPTER CARGO BASKET
ALL MODELS
LID BRACE INSTALLATION**

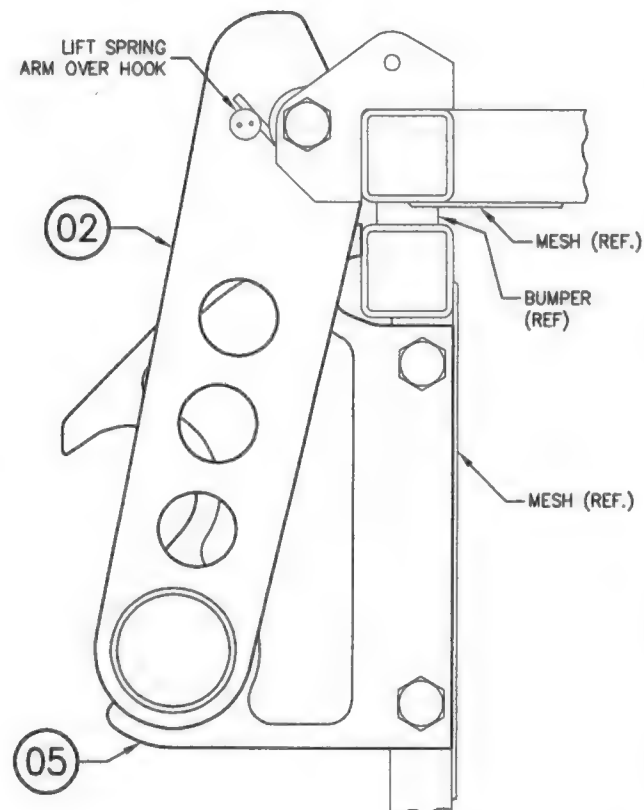
| | | | |
|--------------|-----------|----------|------|
| NOT TO SCALE | DWG. SIZE | DWG. NO. | REV. |
| SHEET 1 OF 1 | A4 | 84240 | 0 |

NOTES:

1. THIS DRAWING IS AN ALTERNATE CONFIGURATION FOR THE HANDLE INSTALLATION SHOWN ON DRAWING 36255.
2. GREASE BUSHING (ITEM 04) USING MOBILGREASE 28 OR EQUIVALENT PRIOR TO INSTALLATION.



(01) HANDLE INSTALLATION



| THIS DRAWING CONTAINS INFORMATION AND DATA WHICH IS PROPRIETARY TO AERO DESIGN LTD. THIS DRAWING, OR ANY PORTION THEREOF, MAY NOT BE REPRODUCED, COPIED, OR DUPLICATED IN ANY MANNER, NOR USED FOR MANUFACTURING WITHOUT THE WRITTEN CONSENT OF AERO DESIGN LTD. BY ACCEPTING THIS DRAWING FOR REFERENCE, THE RECIPIENT AGREES TO HOLD AERO DESIGN LTD. HARMLESS FROM THE USE, OR MISUSE, OF THIS DRAWING OR THE INFORMATION CONTAINED THEREON. | | | |
|---|---|----------|------------|
| REV. | DESCRIPTION OF CHANGE | INITIALS | DATE |
| 0 | INITIAL ISSUE - CREATED FROM 36255 | BJC | NOV 03/09 |
| 1 | HANDLE END BRACKETS FLIPPED | BJC | SEPT 19/11 |
| 2 | TITLE BLOCK UPDATED; ADD NOTE 2; HARDWARE UPDATED | BJC | MAR 13/14 |

| | | | | |
|------|-------------------|------|---------------------|----------------|
| A/R | MOBILGREASE 28 | | GREASE | MIL-PRF-81322F |
| 4 | AN3-11A | | BOLT | |
| 2 | AN3-12A | | BOLT | |
| 10 | NAS1149F0363P | | WASHER | |
| 6 | MS21044N3 | | NUT | |
| 2 | 84267-01 | 05 | BRACKET | |
| 2 | 36275-01 | 04 | BUSHING | |
| 2 | 36278-01 | 03 | SPRING (1 LH, 1 RH) | |
| 1 | 84261-01 | 02 | HANDLE BAR ASSEMBLY | |
| | 84255-01 | 01 | HANDLE INSTALLATION | |
| 01 | PART NO. | ITEM | DESCRIPTION | MATERIAL |
| QTY. | LIST OF MATERIALS | | | |

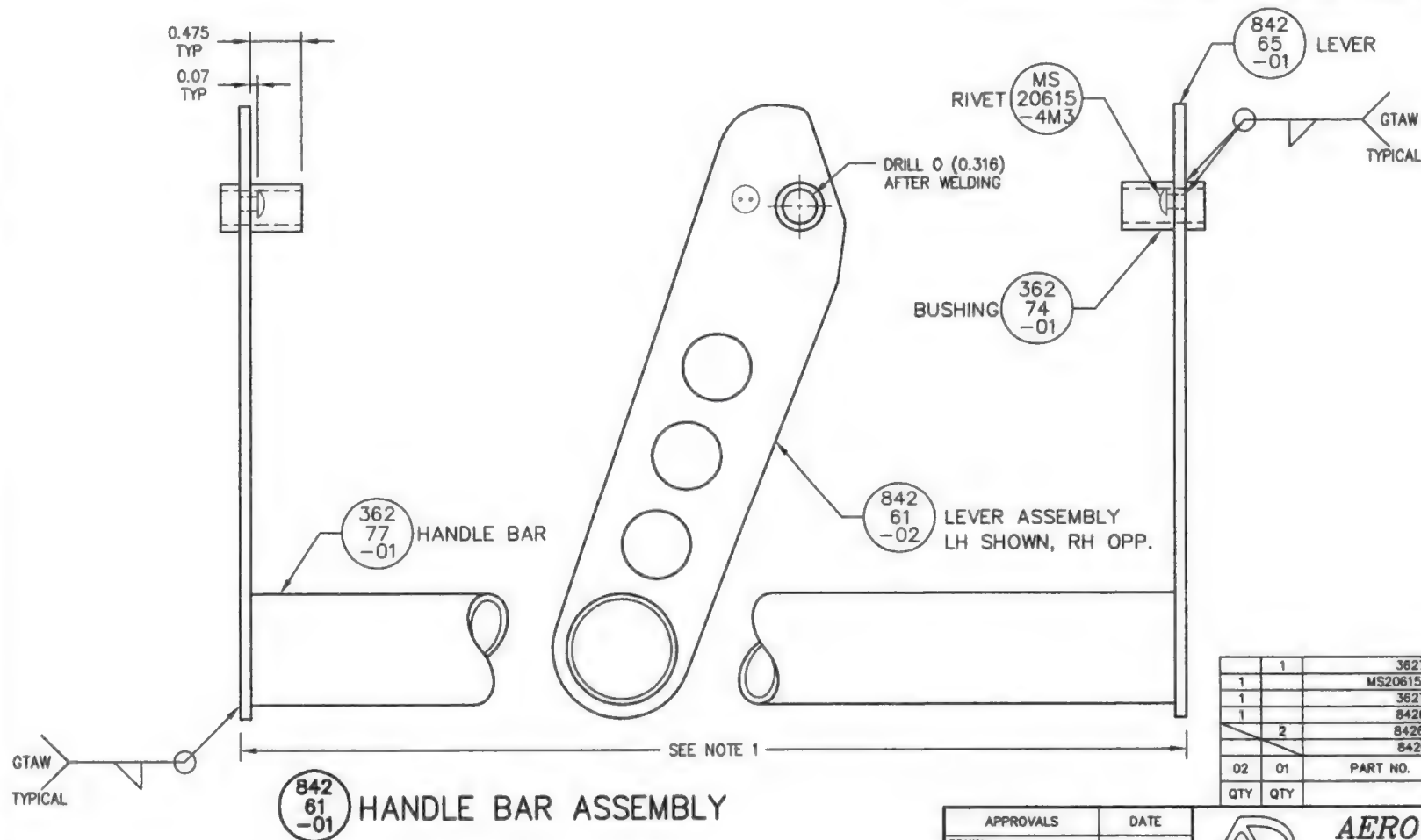
| APPROVALS | | DATE |
|--|-------------|-------------|
| DRAWN: | JEFF CLARKE | 03 NOV 2009 |
| CHECKED: | E. BURGON | |
| UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES. TOLERANCES ON: DECIMALS ANGLES X.XXX ±0.010 ±1/2° X.XX ±0.03 X.X ±0.1 | | |

| | | | |
|---|-----------|--|------|
|  AERO DESIGN LTD. 9888A MALASPINA ROAD POWELL RIVER, BC, CANADA, V8A 0G3 TEL: 804.488.8376 www.aerodesign.ca | | HELICOPTER CARGO BASKET HANDLE BAR INSTALLATION | |
| | | | |
| SCALE 1 : 1 | DWG. SIZE | DWG. NO. | REV. |
| SHEET 1 OF 1 | A3 | 84255 | 2 |

2016-39

THIS DRAWING CONTAINS INFORMATION AND DATA WHICH IS PROPRIETARY TO AERO DESIGN LTD. THIS DRAWING, OR ANY PORTION THEREOF, MAY NOT BE REPRODUCED, COPIED, OR DUPLICATED IN ANY MANNER, NOR USED FOR MANUFACTURING WITHOUT THE WRITTEN CONSENT OF AERO DESIGN LTD. BY ACCEPTING THIS DRAWING FOR REFERENCE, THE RECIPIENT AGREES TO HOLD AERO DESIGN LTD. HARMLESS FROM THE USE, OR MISUSE, OF THIS DRAWING OR THE INFORMATION CONTAINED THEREON.

| REV. | DESCRIPTION OF CHANGE | INITIALS | DATE |
|------|--|----------|------------|
| 0 | INITIAL ISSUE | | |
| 1 | HANDLE END BRACKETS FLIPPED | BJC | SEPT 19/11 |
| 2 | TITLE BLOCK UPDATED; LEVER ASSEMBLY ASSIGNED P/N | BJC | MAR 13/14 |



NOTES:

1. LENGTH OF HANDLE TO BE DETERMINED BY BASKET ASSEMBLY DRAWING.
2. REMOVE ALL BURRS AND SHARP EDGES.
3. WELDING TO BE COMPLETED BY GTAW METHOD TO AMS2685C USING ER308L ROD.

| QTY | QTY | PART NO. | DESCRIPTION |
|-----|-----|-------------|------------------------|
| 1 | 1 | 36277-01 | HANDLE BAR |
| 1 | 1 | MS20615-4M3 | RIVET (MONEL) |
| 1 | 1 | 36274-01 | BUSHING |
| 1 | 1 | 84265-01 | LEVER |
| 2 | 2 | 84261-02 | LEVER ASSEMBLY (RH/LH) |
| 2 | 2 | 84261-01 | HANDLE BAR ASSY |

| APPROVALS | DATE |
|---------------------|------------|
| DRAWN: R. RATHWELL | JUNE 18/09 |
| CHECKED: E. BURGAIN | |

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES.
TOLERANCES ON:
DECIMALS ANGLES
X.XXX ±0.010 ±1/2°
X.XX ±0.03
X.X ±0.1



AERO DESIGN LTD.

9886A MALASPINA ROAD
POWELL RIVER, BC, CANADA, V8A 0G3
TEL: 604.488.2378 www.aerodesign.ca

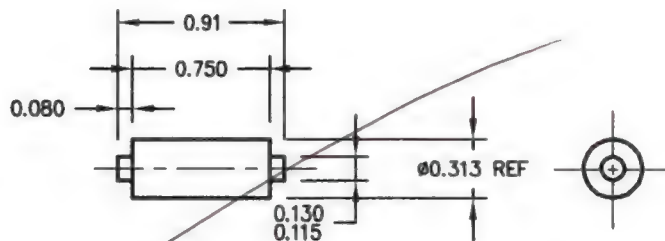
**HELICOPTER CARGO BASKET
HANDLE BAR ASSEMBLY**

| SCALE | DWG. SIZE | DWG. NO. | REV. |
|-------------|-----------|----------|------|
| SCALE 1 : 1 | A3 | 84261 | 2 |

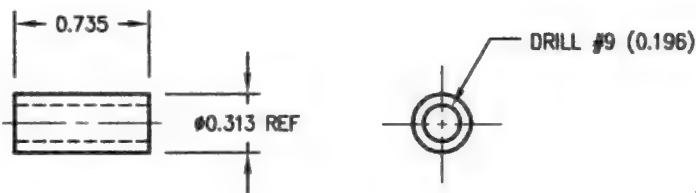
SHEET 1 OF 1

wo 2016-4039 None in stock OK

| REV. | DESCRIPTION OF CHANGE | INITIALS | DATE |
|------|--|----------|------------|
| 0 | INITIAL ISSUE - CREATED FROM 36210 | STF | MAY 17/02 |
| 1 | ADDED PART 02. BUSHING WAS STAINLESS STEEL | STF | JUN 03/04 |
| 2 | DIMENSIONS UPDATED | BJC | JAN 8/07 |
| 3 | LENGTHS CHANGED | BJC | NOV 03/09 |
| 4 | TITLE BLOCK UPDATED, MATERIALS CHANGED | BJC | 04/10/2013 |



(02) SUPPORT



(01) BUSHING

x 2


PO 13050

NOTES:

1. REMOVE ALL BURRS AND SHARP EDGES.

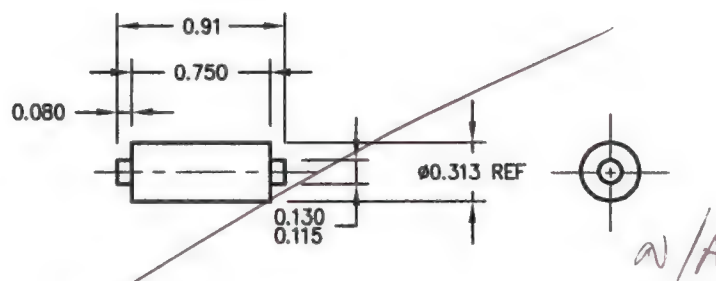
| 36275-02 | 01 | SUPPORT | 304 STAINLESS STEEL | ASTM A479 | 5/16" ROD |
|----------|------|-------------|---------------------|---------------|------------|
| 36275-01 | 01 | BUSHING | 360 BRASS | ASTM B16 | 5/16" ROD |
| PART NO. | ITEM | DESCRIPTION | MATERIAL | MATERIAL SPEC | STOCK SIZE |

QTY LIST OF MATERIALS

| | | | | | | | |
|---|--|--|--------------------------------|--------------------------|---|---|--|
| THIS DRAWING CONTAINS INFORMATION AND DATA WHICH IS PROPRIETARY TO AERO DESIGN LTD. THIS DRAWING, OR ANY PORTION THEREOF, MAY NOT BE REPRODUCED, COPIED, OR DUPLICATED IN ANY MANNER, NOR USED FOR MANUFACTURING WITHOUT THE WRITTEN CONSENT OF AERO DESIGN LTD. BY ACCEPTING THIS DRAWING FOR REFERENCE, THE RECIPIENT AGREES TO HOLD AERO DESIGN LTD. HARMLESS FROM THE USE, OR MISUSE, OF THIS DRAWING OR THE INFORMATION CONTAINED THEREON. | APPROVALS DRAWN: STEVEN FAHEY CHECKED: E. BURGAIN | | DATE MAY 17/02 MAY 01/03 | |  AERO DESIGN LTD. 9888A MALASPINA ROAD POWELL RIVER, BC, CANADA, V8A 0G3 TEL: 604.483.2378 www.aerodesign.ca | | |
| | UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES. TOLERANCES ON: DECIMALS ANGLES X.XXX ±0.010 ±1/2° X.XX ±0.03 X.X ±0.1 | | | | | HELICOPTER CARGO BASKET HANDLE BUSHING AND SUPPORT | |
| | SCALE 1 : 1 SHEET 1 OF 1 | | DWG. SIZE A4 | DWG. NO. 36275 | | REV. 4 | |
| | | | | | | | |

wo 2016-3540 None in stock OK

| REV. | DESCRIPTION OF CHANGE | INITIALS | DATE |
|------|--|----------|------------|
| 0 | INITIAL ISSUE - CREATED FROM 36210 | STF | MAY 17/02 |
| 1 | ADDED PART 02. BUSHING WAS STAINLESS STEEL | STF | JUN 03/04 |
| 2 | DIMENSIONS UPDATED | BJC | JAN 8/07 |
| 3 | LENGTHS CHANGED | BJC | NOV 03/09 |
| 4 | TITLE BLOCK UPDATED, MATERIALS CHANGED | BJC | 04/10/2013 |



02 SUPPORT




01 BUSHING

NOTES:

1. REMOVE ALL BURRS AND SHARP EDGES.

| 36275-02 | 01 | SUPPORT | 304 STAINLESS STEEL | ASTM A479 | 5/16" ROD |
|----------|------|-------------|---------------------|---------------|------------|
| 36275-01 | 01 | BUSHING | 360 BRASS | ASTM B16 | 5/16" ROD |
| PART NO. | ITEM | DESCRIPTION | MATERIAL | MATERIAL SPEC | STOCK SIZE |

| QTY | LIST OF MATERIALS |
|-----|-------------------|
|-----|-------------------|

| | | | | | | | | |
|---|--|--------------------------------|---|---|--|--|--------------------------|------------------|
| THIS DRAWING CONTAINS INFORMATION AND DATA WHICH IS PROPRIETARY TO AERO DESIGN LTD. THIS DRAWING, OR ANY PORTION THEREOF, MAY NOT BE REPRODUCED, COPIED, OR DUPLICATED IN ANY MANNER, NOR USED FOR MANUFACTURING WITHOUT THE WRITTEN CONSENT OF AERO DESIGN LTD. BY ACCEPTING THIS DRAWING FOR REFERENCE, THE RECIPIENT AGREES TO HOLD AERO DESIGN LTD. HARMLESS FROM THE USE, OR MISUSE, OF THIS DRAWING OR THE INFORMATION CONTAINED THEREON. | APPROVALS DRAWN: STEVEN FAHEY CHECKED: E. BURGAIN | DATE MAY 17/02 MAY 01/03 |  AERO DESIGN LTD. 9888A MALASPINA ROAD POWELL RIVER, BC, CANADA, V8A 0G3 TEL: 804.463.2376 www.aerodesign.ca | HELICOPTER CARGO BASKET HANDLE BUSHING AND SUPPORT | | | | |
| | UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES. TOLERANCES ON: DECIMALS ANGLES X.XXX ±0.010 ±1/2° X.XX ±0.03 X.X ±0.1 | | | | | | | |
| | SCALE 1 : 1 SHEET 1 OF 1 | DWG. SIZE A4 | | | | | DWG. NO. 36275 | REV. 4 |
| | | | | | | | | |



WO# _____

Approved Manufacturing Facility 73-04

Rev. Original 27 May 2013

CARGO BASKET HANDLE FABRICATION

General

These instructions apply to all cargo basket handle assemblies. Refer to the following drawings, at the current revision, for dimensions and details:

All Models: 84261, Rev. 1

Work Order: 2016-39

Complete
(initial or SCA #)

Date Open: 10 MAR 2016

AD-07

1. Weld Lever Assembly – handle lever jig required
 - a. Set MS20615-4M3 monel rivet into socket in jig
 - b. Set 36274-01 bushing into socket in jig
 - c. Set 84261-01 lever onto handle jig, with rivet and bushing protruding into lever.
 - d. TIG weld around bushing using ER308L rod.
 - e. Fuse weld rivet to lever. Additional ER308L rod may be used if required.
 - f. Repeat steps a-f using hole/socket on opposite side of jig to make opposite lever assembly.
 - g. Record material POs on attached material list.

2. Clean up
 - a. Clean lever assembly by media blasting with glass bead.
 - b. Drill out lever bushing to O (0.316) on lathe:
 - i. Grasp bushing in chuck, ensure rivet clears between the jaws.
 - ii. Run at 300 RPM.
 - iii. Apply a drop of Rapid-Tap to drill.
 - c. De-burr.

3. Fabricate Handle Assembly
 - a. Temporarily install handle levers (from step 2) on lid assembly. Ensure long side of handle bushings are on INSIDE (pointing together).
 - b. Measure across TOP side of levers.
 - c. Cut handle tubing to length measured.
 - i. Handles under 40" long: 1.0" x 0.035 round tube
 - ii. Handles over 40" long: 1.0" x 0.065 round tube
 - d. De-burr tube.
 - e. Insert tube into handle levers. Tap with a plastic mallet to seat tube flush with lever. Raise handle to ensure both levers touch stops to check alignment.
 - f. Record material PO on attached material list.

AD-07

4. Weld Handle Assembly
 - a. Fuse tube to lever on both ends. Ensure levers are parallel.

AD-05

5. Clean up
 - a. Clean welded area with scotch-brite.

AD-07

6. Final Inspection –

To be completed by a different person than the previous steps.

 - a. Welds for complete and handle for fit.
 - b. Tag complete and inspected parts in preparation for installation.

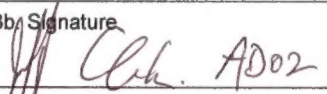
OK

Work Order: 2016-39Material Tracking Sheet
AS350 / AS355 Medium Basket Handle Assembly

1 of 1

Date Opened: 10 MAR 2016

| Ass'y Step | Qty | Detail Drawing | Part Number | Description | Material | PO/WO |
|---------------|----------|----------------|-----------------|------------------------------------|--|---|
| | <u>1</u> | 84261 | 84261-01 | Handle Assembly | | |
| Step 1 | | | | <i>Weld Lever Assembly</i> | | |
| | . 2 | | 84265-01 | Lever | 304 Stainless, 0.105 Sheet | 2015-122 assembly 2015-122 q. |
| | . 2 | | 36274-01 | Bushing | 304 Stainless, 7/16" x 0.065 Rnd. Tube | 13050 |
| | . 2 | | MS20615-4M3 | Rivet | | |
| | . A/R | | -- | Welding Rod | ER308L TIG Rod | |
| Step 2 | | | | <i>Clean Up</i> | None | |
| Step 3 | | | | <i>Fabricate Handle Bar</i> | | |
| | . 1 | | 36277-01 | Handle Bar | 304 Stainless, 1.0 x 0.035 Rnd. Tube | 15073 |
| Step 4 | | | | <i>Weld Handle Assembly</i> | None - Fuse weld, no rod req. | |
| Step 5 | | | | <i>Clean Up</i> | None | |
| Step 6 | | | | <i>Inspection - Final Assembly</i> | None | |

| | | | | | | |
|---|--------------------------|---|--|----------------------|---|-----------------------------------|
| 1. Approving Civil Aviation Authority/Country Transport Canada | | 2. AUTHORIZED RELEASE CERTIFICATE FORM ONE | | | 3. Form Tracking No. 2016-39-1 | |
| 4. Organization Name and Address AERO Design Ltd. – 9888A Malaspina Road, Powell River, BC, V8A 0G3 | | | | | 5. Work Order/Contract/Invoice WO 2016-39 | |
| 6. Item | 7. Description | 8. Part Number | 9. Qty. | 10. Serial/Batch No. | 11. Status/Work | |
| | Med. Cargo Basket | 76410-01-01 | 1 | 76401-11 | New | |
| 12. Remarks Modified with walkway on lid and front end cutout IAW DCL704 | | | | | | |
| 13a. Certifies that the items identified above were manufactured in conformity to: | | | 14a. <input type="checkbox"/> CAR 571.10 Maintenance Release <input type="checkbox"/> Other regulation specified in block 12 | | | |
| <input checked="" type="checkbox"/> Approved design data and are in condition for safe operation. <input type="checkbox"/> Non approved design data specified in block 12. | | | Certifies that unless otherwise specified in block 12, the work identified in block 11 and described in block 12, has been performed in compliance with the Canadian Aviation Regulations. | | | |
| 13b. Signature  | | 13c. Approved Organization Number AMF 73-04 | | 14b. Signature | | 14c. Approved Organization Number |
| 13d. Name Jeff Clarke - AD02 | | 13e. Date (dd/mmm/yyyy) 14 Mar 2016 | | 14d. Name | | 14e. Date (dd/mmm/yyyy) |
| <p align="center">Installer Responsibilities</p> <p>This certificate does not constitute authority to install.</p> <p>Installers working in accordance with the national regulations of a country other than that specified in block 1 must ensure that their regulations recognize certifications from the country specified.</p> <p>Statements in blocks 13a or 14a do not constitute installation certification. In all cases, the technical record for the aircraft must contain an installation certification issued in accordance with the applicable national regulations before the aircraft may be flown.</p> | | | | | | |

Aviate